SYSRPC - Server Command Execution

The SYSRPC utility provides the server execution commands Ping and Terminate. They are used to control active servers that have been defined in the Service Directory. The Ping command sends an internal message to verify a server connection. Terminate sends an internal message to terminate a server.

Below is information on:

- Pinging a Server
- Terminating a Server

Pinging a Server

▶ **To ping a server**

- In the Code field of the Client Maintenance screen, enter **XC**.
  A screen appears which shows you the current definitions (see the sample screen below).
- In the empty column between sequence number and Node, in the line(s) which belong to the server(s) to be pinged, enter the command **PI**.

  Example screen:

```
 16:45:55              *** NATURAL  Remote Procedure Call ***          2001-02-22
                            Server Command Execution                    SYSRPC
             NODE      SERVER    Message
 1       ETB045
 2   pi            NRPC2301
 3   pi            NRPC2302
 4   pi            NRPC2302
 5       ETB050
 6   pi            NRPC3000
```

- Choose ENTER.
  The server(s) returns the message: "*Server V.R.S.PL* on *operating system*", where

  Server denotes the type of server;
  V.R.S.PL is the 1-digit version, *R* the 1-digit release, *S* the 1-digit system maintenance level and *PL* the 1- or 2-digit patch level of the server;
  operating system denotes on which operating system the server runs.

  Example message: Natural RPC Server 5.1.1.0 on WNT-x86.

Terminating a Server

▶ **To terminate a server**

1. In the Code field of the Client Maintenance screen, enter **XC**.
   A screen appears which shows you the current definitions
2. In the empty column between sequence number and Node, in the line(s) which belongs to the server(s) to be terminated, enter the command **TE**.
   The server returns the message: "Terminating *Server V.R.S.PL* on *operating system*", where

Server denotes the type of server;
V.R.S.PL is the 1-digit version, *R* the 1-digit release, *S* the 1-digit system maintenance level and *PL* the 1- or 2-digit patch level of the server;
operating system denotes on which operating system the server runs.

Example message: Terminating Natural RPC Server 5.1.1.0 on WNT-x86.

If the LOGON option has been set for a server or a node, logon data (user ID, password and library name) are sent to the server with the TE terminate command, as is usual for the CALLNAT. The Security Token Data window pops up to request user ID and password if no Natural Security is installed on the client side and no logon data are set with the USR1071P user exit for the current Natural session.

If LOGONRQ=ON (see also Using Natural RPC with Natural Security in the Natural RPC documentation) has been set on the server side, logon data must be sent from the client with the TE terminate command.

If Natural Security is installed on the server, the logon data transferred must enable a logon to the library SYSRPC.

Terminating a Server with Replicates

When you are running a server with replicates you must terminate each replicate separately using the TE or Terminate command as described above.

Alternatively, the server can be terminated with the EntireX Broker Control Center or the EntireX System Management Hub.